

KDN.K10008CP0

Radial contact ball bearings with seals or shields are designed to accommodate radial loads and some axial loads in either direction. One bearing series is based on a single cross section which remains constant as the bore diameter increases, leading to significant space and weight savings. The bearings are available with and inch boundary dimensions. Depending on the design and series the bearings can be provided with chemical and corrosion resistance.



- Accommodate radial and some axial loads in both directions
- Thin cross section
- Lightweight
- Low friction
- High stiffness
- High running accuracy



Dimensions		
d	100 mm	Bore diameter
D	116 mm	Outside diameter
H	8 mm	Radial cross section
B	8 mm	Width
d ₁	≈ 105.943 mm	Shoulder diameter inner ring
D ₁	≈ 110.057 mm	Shoulder diameter outer ring
	3.969 mm	Ball diameter
	0.8 mm	Maximum radius of shaft or housing fillet

Calculation data

Dynamic load rating, Kaydon, radial direction C_k 4.97 kN

Basic static load rating, radial direction C₀ 10.4 kN

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances, radial clearance and recommended fits:
 - Endurakote bearings: Class 1, Class 1, Class 3, Class 4
 - bearings: Class 1
 - other bearings: Class 1, Class 1, Class 3, Class 4, Class 6
- Materials

AGA BEARINGS